

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/001470

A. CLASSIFICATION OF SUBJECT MATTER C07C 57/12, C07C 13/21, C11C 3/14, A61K 31/202
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC C07C 57/12, C07C 13/21, C11C 3/14, A61K 31/202

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used)

STN Express, Delphion, EPOQUE, Canadian Patent Database
keywords: conjugated, linolenic acid, linoleic acid, octadecatrienoic acid

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4164505 (Krajca, K. E. et al.), 14 August 1979, whole document	1-8, 21
X	CA 2471649 (Reaney, M. J.), 5 June 2003 pages 4 and 5, example 3, example 7	1 - 5, 7, 8, 10
X	CA 2393403 (Reaney, M. J.), 7 June 2001 whole document	1-3, 7, 8
X	US 6316645 (Sih et al. C. J.), 13 November 2001 cited in application column 3, lines 29-34, Examples 7 and 9, Fig. 2	9, 10
X	Strocchi, A., "Comparison between the mechanisms of alkaline isomerization and autooxidation of polyunsaturated C18 fatty acids", Univ. Bologna, Bologna, Italy Revue Francaise des Corps Gras (1969), 16(1), 3-13 whole document	9, 10, 11, 13, 26
X	Kepler, C. R. et al., J. Biol. Chem., (1967), vol. 242, No. 24, 5686 cited in application whole document	9
X	Sagredos, A. N., "Formation of indanyl derivatives from trienoic acids", Fette, Seifen, Anstrichmittel (1974), 76(1), 8-16, Unilever Forschungsges, m.b.H., Hamburg, Fed. Rep. Ger. whole document	9
X	JP 03207824B2 (Shiraki, T. et al.), 5 December 2000 Abstract	14-20, 22-25

[X] Further documents are listed in the continuation of Box C.

[X] Patent family members are listed in annex.

* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
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Date of the actual completion of the international-type search
29 October 2004 (29-10-2004)

Date of mailing of the international-type search report
17 December 2004 (17-12-2004)

Name and mailing address of the ISA/CA
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Canadian Patent Office - PCT
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Igarashi, M. et al. "Newly recognized cytotoxic effect of conjugated trienoic fatty acids on cultured human tumor cells", Cancer Letters (Shannon, Ireland) (2000), 148(2), 173-179 cited in application whole document	14-20, 22-25
P, X	CA 2396840 (Angers, P. et al.) 6 February 2004 whole document	1-26

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CA2004/001470

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US 4164505	1979-08-14	none	
CA 2471649	2003-06-03	WO 03046115 A1 US 6414171 B1	2003-06-05 2002-07-02
CA 2393403	2001-06-07	WO 0140419 A3 US 6420577 B1	2001-07-02 2002-07-16
US 6316645	2001-11-13	WO 0023412 A2 AU 0014445 A5	2000-04-27 2000-05-08
CA 2396840	2004-02-06	WO 04013078 A1	2004-02-12
JP 03207824B2	2000-12-05	JP 2000336029A2	2000-12-05

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons :

1. ☒ Claims Nos. : 22 - 25
because they relate to subject matter not required to be searched by this Authority; namely:

Although claims 22 - 25 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition such as defined in claims 14 to 20.
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically :
3. ☐ Claims Nos. :
because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observation where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows :

Claims 1-25 are directed to conjugated linolenic acids, a process for preparation thereof and method of use;

Claim 26 is directed to C18:3 11, 13 cyclohexadiene.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos. :
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos. :

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.